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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P11907  
(maximum 12 characters)First Named Inventor Gregory L. EbertTitle: A METHOD AND APPARATUS FOR ACCURATELY DETERMINING THE CROSSING POINT  
WITHIN A LOGIC TRANSITION OF A DIFFERENTIAL SIGNALExpress Mail Label No. EL371009726USUSPTO  
09/27/01  
09/27/01  
09/27/01ADDRESS TO: **Assistant Commissioner for Patents**  
**Box Patent Application**  
**Washington, D. C. 20231****APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant Claims Small Entity Status. (37 CFR 1.27)
3.  Specification (Total Pages 40)  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawings(s) (35 USC 113) (Total Sheets 11)
5.  Oath or Declaration (Total Pages 5)
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 17 completed)
    - i.  DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  Application Data Sheet. (37 CFR 1.76)
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  **Assignment Papers (cover sheet & documents(s))**  
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
       b. Power of Attorney  
11.  English Translation Document (if applicable)  
12.  a. Information Disclosure Statement (IDS)/PTO-1449  
       b. Copies of IDS Citations  
13.  **Preliminary Amendment**  
14.  **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**  
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16.  **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**  
17.  Other: Certificate of Express Mailing with copy of postcard showing contents.

**18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation       Divisional       Continuation-in-part (CIP)  
**Of Prior Application No.:** \_\_\_\_\_ **Examiner** \_\_\_\_\_ **Group Art Unit** \_\_\_\_\_  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.**

For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18B. Statement under 37 CFR 3.73(b) for continuing application:**

The undersigned states that \_\_\_\_\_ (name of assignee) is  
the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an  
assignment recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_  
(or a copy of which is attached).

**19. Correspondence Address**

Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)

Correspondence Address Below

NAME Robert B. O'Rourke

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

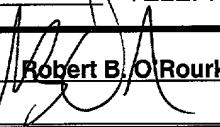
ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

Name (PRINT/TYPE): Robert B. O'Rourke Registration No.: 46,972

Signature:  Date: 9/27/01

## FEE TRANSMITTAL FOR FY 2001

TOTAL AMOUNT OF PAYMENT (\$) 1,472.00

## Complete if Known:

Application No. Unassigned  
 Filing Date Herewith  
 First Named Inventor Gregory L. Ebert  
 Group Art Unit Unassigned  
 Examiner Name Unassigned  
 Attorney Docket No. 42390P11907

## METHOD OF PAYMENT (check one)

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666  
 Deposit Account Name

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:  Check  
 Credit Card  
 Money Order  
 Other

## FEE CALCULATION

1. BASIC FILING FEE

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code 101	Fee Code 201	Utility application filing fee	<u>710.00</u>
Fee Code 106	Fee Code 206	Design application filing fee	<u></u>
Fee Code 107	Fee Code 207	Plant filing fee	<u></u>
Fee Code 108	Fee Code 208	Reissue filing fee	<u></u>
Fee Code 114	Fee Code 214	Provisional application filing fee	<u></u>

SUBTOTAL (1) \$ 710.002. EXTRA CLAIM FEES

	<u>Extra Claims</u>	<u>Fee from below</u>	<u>Fee Paid</u>
Total Claims 49	- 20** = 29	X 18.00	= 522.00
Independent Claims 6	- 3** = 3	X 80.00	= 240.00
Multiple Dependent		=	

\*\*Or number previously paid, if greater; For Reissues, see below.

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>
Fee Code 103	Fee Code 203	Claims in excess of 20
Fee Code 102	Fee Code 202	Independent claims in excess of 3
Fee Code 104	Fee Code 204	Multiple dependent claim, if not paid
Fee Code 109	Fee Code 209	**Reissue independent claims over original patent
Fee Code 110	Fee Code 210	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 762.00

## FEE CALCULATION (continued)

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<u>Large Entity</u>	<u>Small Entity</u>	<u>Fee Description</u>	<u>Fee Paid</u>
Fee Code	Fee (\$)	Fee Code (\$)	
105	130	205	65
127	50	227	25
			Surcharge - late filing fee or oath
			Surcharge - late provisional filing fee or cover sheet
139	130	139	130
147	2,520	147	2,520
112	920*	112	920*
			Non-English specification
			For filing a request for ex parte reexamination
			Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840*
			Requesting publication of SIR after Examiner action
115	110	215	55
116	390	216	195
117	890	217	445
118	1,390	218	695
128	1,890	228	945
119	310	219	155
120	310	220	155
121	270	221	135
138	1,510	138	1,510
140	110	240	55
141	1,240	241	620
142	1,240	242	620
143	440	243	220
144	600	244	300
122	130	122	130
123	50	123	50
126	180	126	180
581	40	581	40
			Extension for reply within first month
			Extension for reply within second month
			Extension for reply within third month
			Extension for reply within fourth month
			Extension for reply within fifth month
			Notice of Appeal
			Filing a brief in support of an appeal
			Request for oral hearing
			Petition to institute a public use proceeding
			Petition to revive – unavoidable
			Petition to revive - unintentional
			Utility issue fee (or reissue)
			Design issue fee
			Plant issue fee
			Petitions to the Commissioner
			Processing fee under 37 CFR 1.17(q)
			Submission of Information Disclosure Stmt
			Recording each patent assignment per property (times number of properties)
			For filing a submission after final rejection (see 37 CFR 1.129(a))
			For each additional invention to be examined (see 37 CFR 1.129(b))
179	710	279	355
169	900	169	900
			Request for Continued Examination (RCE)
			Request for expedited examination of a design application
195	300	195	300
			Publication fee for early, voluntary, or normal publication
196	300	196	300
194	130	194	130
098	130	098	130
091	1,240	091	1,240
			Publication fee for republication
			Request for voluntary publication or republication
			Processing fee under 37 CFR 1.17(i)
			Acceptance of unintentionally delayed claim for priority

Other fee (specify) \_\_\_\_\_

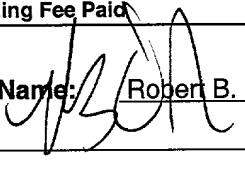
Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 0.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Robert B. O'Rourke

Signature:  Date: 9/27/01

Reg. Number: 46,972 Telephone Number: (408) 720-8300

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

## EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL371009726US

Date of Deposit: September 27, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

Janece Shannon  
(Typed or printed name of person mailing paper or fee)

Janece Shannon  
(Signature of person mailing paper or fee)

9-27-2001  
(Date signed)

Serial/Patent No.: Unassigned Filing/Issue Date: Herewith  
Client: Intel Corporation Atty/Secty Initials: EHT/ROR/js  
Title: A METHOD AND APPARATUS FOR ACCURATELY DETERMINING THE CROSSING POINT WITHIN A LOGIC TRANSISTION OF A DIFFERENTIAL SIGNAL  
BSTZ File No.: 042390P11907 Docket Due Date: \*\*\*  
Date Mailed: September 27, 2001

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

Amendment/Response (\_\_\_\_ pgs.)  Express Mail No.: EL371009726US  Check No. 45538  
 Appeal Brief (\_\_\_\_ pgs.) (in triplicate)  Month(s) Extension of Time  Amt: 1,472.00  
 Application - Utility (\_\_\_\_ 40 pgs., with cover and abstract)  Information Disclosure Statement & PTO-144 (\_\_\_\_ pgs.)  Check No. \_\_\_\_\_  
 Application - Rule 1.53(b) Continuation (\_\_\_\_ pgs.)  Issue Fee Transmittal  
 Application - Rule 1.53(b) Divisional (\_\_\_\_ pgs.)  Notice of Appeal  
 Application - Rule 1.53(b) CIP (\_\_\_\_ pgs.)  Petition for Extension of Time  
 Application - Rule 1.53(d) CPA Transmittal (\_\_\_\_ pgs.)  Petition for \_\_\_\_\_  
 Application - Design (\_\_\_\_ pgs.)  Postcard  
 Application - PCT (\_\_\_\_ pgs.)  Power of Attorney (\_\_\_\_ pgs.)  
 Application - Provisional (\_\_\_\_ pgs.)  Preliminary Amendment (\_\_\_\_ pgs.)  
 Assignment and Cover Sheet  Reply Brief (\_\_\_\_ pgs.)  
 Certificate of Mailing  Response to Notice of Missing Parts  
 Declaration & POA (\_\_\_\_ 5 pgs.) (Unexecuted)  Small Entity Declaration for Indep. Inventor/Small Business  
 Disclosure Docs & Qig & Cpy of Inventor's Sigred Letter (\_\_\_\_ pgs.)  Transmittal Letter, in duplicate  
 Drawings: 11 # of sheets includes 18 figures  Fee Transmittal, in duplicate

Other: Certificate of Express Mailing with copy of postcard showing contents of Express Mail package.